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Products

Search Tools

Solutions

Literature

Tech Notes

Support

Corporate

Products > LED Indicators > PCB Indicators > Assembled Housing > Round > 3mm > Triple Tower > 2.54mm Protrusion



### Features / Options

- ▶ Vertical Positioning
- ▶ Multi-Unit Construction
- ▶ Polarity Orientation Holder
- ▶ Choice of Colors and Lenses

### Applications / Uses

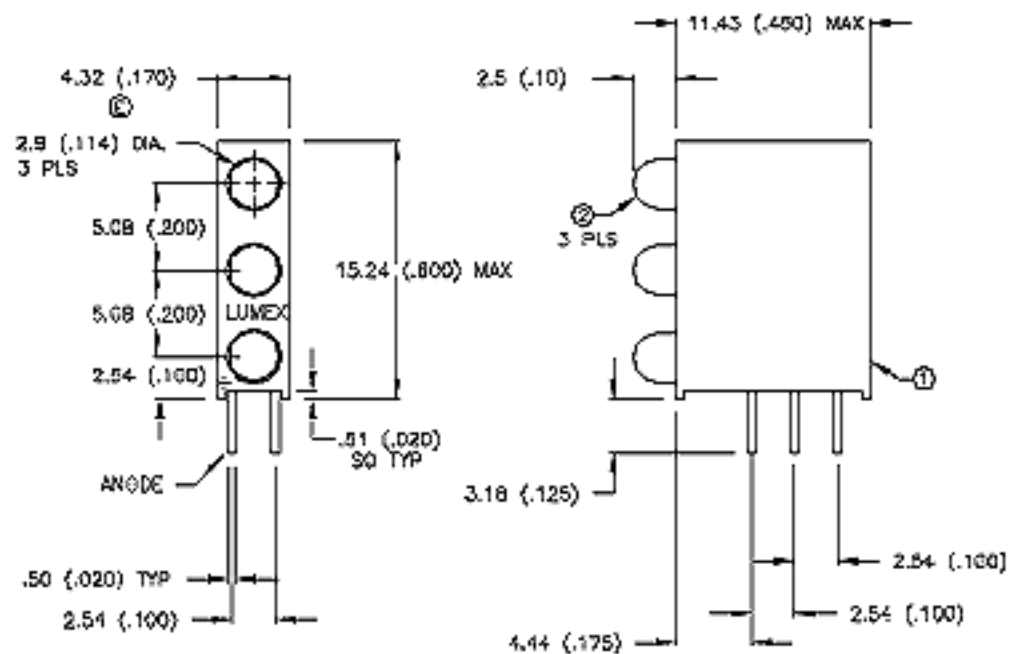
- ▶ Board Level Status Indicators
- ▶ Board Level Fault Indicators
- ▶ Warning/Alarm Signaling
- ▶ Circuit Fault Finder Indicators

Part Number:		Brightness	Material	Emitted Color	Wavelength	Intensity	View Angle	Voltage		
SSF-LXH340GGGD		STANDARD	GaP	Green	565	15	80	2.1		
SSF-LXH340IIID		STANDARD	GaAsP	Red	630	20	80	2.0		
SSF-LXH340LGGGD		STANDARD	GaP	Green	565	15	80	2.1		
SSF-LXH340LIID		STANDARD	GaAsP	Red	630	20	80	2.0		
SSF-LXH340LYYYD		STANDARD	GaAsP	Yellow	585		80	1.8		
SSF-LXH340SISISID		HIGH	AllnGaP	Red	636	100	80	2.0		
SSF-LXH340SOSOSOD		HIGH	AllnGaP	Orange	610	100	80	2.0		
SSF-LXH340SRRSRD		HIGH	GaAlAs	Red	660		80	1.8		
SSF-LXH340SUGUGPD		HIGH	AllnGaP	Green	574	60	80	2.2		
SSF-LXH340SYSYSYD		HIGH	AllnGaP	Yellow	590	100	80	2.0		
SSF-LXH340USBSBD		HIGH	InGaN	Blue	470	80	80	3.5		
SSF-LXH340YYD		STANDARD	GaAsP	Yellow	585		80	2.1		

DATE	REVISIONS	REV
8-9-83	CHG'D. LEAD LENGTHS./	A
8-30-83	CHG'D. LEAD LENGTHS./	B
8-15-84	CHG'D. OPER/STOR. & SOLDER TEMPS AND STAND-OFF/	C
3-6-85	CHG'D. STANDOFF, UPDATED SPECS./	D
9-23-86	E.C.N. #10244./	E

DRAWING NUMBER  
SSF-LXH340GGGD

REV  
E



ELECTRO-OPTICAL CHARACTERISTICS TA=25 °C If=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565 (GREEN)		nm	
FORWARD VOLTAGE		2.1	2.5	V <sub>f</sub>	
REVERSE VOLTAGE	5.0			V <sub>r</sub>	I <sub>r</sub> =100µA
AXIAL INTENSITY		15		med	I <sub>f</sub> =20mA
VIEWING ANGLE		80		2x theta	
EMITTED COLOR:		GREEN			
EPOXY LENS FINISH:		GREEN DIFFUSED			

LIMITS OF SAFE OPERATION AT 25 DEG. C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	106	mW
DERATE FROM 25 °C	-1.6	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
LEAD SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

\* t<10µS

**BILL OF MATERIALS:**

- SSF-LXH340 HOLDER. MATERIAL: BLACK NYLON 94V-0.
- SSL-LX3044GD LED (3 PIECES).

**RELIABILITY NOTE:**

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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OWN:	CHK'D:	APP'D:
SCALE: N/A		

T-3mm LED, RIGHT ANGLE FAULT INDICATOR,  
GREEN DIFFUSED

PAGE 1 OF 1	DRAWING NUMBER SSF-LXH340GGGD	REV E
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